**Dhaval Desai**

<https://www.linkedin.com/in/dhavaldesai19>

**Summary**

• Automation-QA with 8.5 years of experience in Information Technology with emphasis on software testing

quality assurance.

• Expertise in all stages of the Software Development Life Cycle (SDLC) and Software Testing Life Cycle (STLC) and in all dimensions of Functionality, Usability and Reliability.

• Design develop and implemented different Test automation frameworks Like: Keyword driven, Data driven and Hybrid frameworks using Java.

• Responsible to maintenance of the Automation Framework to support the team challenges

and goals UI Frameworks.

• Experience with Test Driven development with CI and CD in implementing of a project in the agile

• Experience in Test Environments provisioning on AWS cloud.

• Strong knowledge in implementing Waterfall, V-model and Agile (Sprint/Scrum) Methodology by analyzing

• Strong at API/Webservices testing for REST and SOAP service calls and their response.

• Having experience with API test automation using selenium with Rest Assured framework.

• Having experience with testing the API’s using Swagger and automated the process. Extensive experience in ETL and BI testing for many data extractions and data migration projects.

• Experience with Splunk to get the logs and analysis the network calls and generated logs

• Experience in Mobile automation testing using Appium & TestFlight for IOS and Android platforms.

• Expertise in different types of testing Smoke/Sanity testing GUI Testing, Functional testing, Retesting, Regression Testing, Integration Testing, System Testing, and UAT testing.

• Experience in writing Test Plans, defining Test Cases, developing, and maintaining Test scripts,

analyzing the results of scripts, Defect tracking and defect closure.

• Experience in Web Services testing using SOAPUI tool. Validated request and response XML, SOAP, and RESTFUL Web service calls.

• Expertise in working knowledge of Core Java and Object-Oriented Concepts (Inheritance, Polymorphism, Exception Handling, Multi-Threading and Collections).

• Exposure on developed Test Scripts to implement Test Cases, Test Scenarios, and features for BDD (Behavior Driven Development), TDD (Test Driven Development) using Cucumber in Gherkins format.

• Developed and executed SQL scripts for automated testing and data verification on new software releases.

• Extensively used HP Quality Center/ALM to manage requirements, test cases, defects and generating progress Reports using Dashboard module.

• Experience in using Test Management tools such as Rally, JIRA bug reporting tools to track test progress, execution, and deliverables.

• Experience in working with Confluence, GIT and Bitbucket to maintain the updated files in common repository

• Experience creating webpages to create interactive and dynamic web pages by using JavaScript.

• Having experience with test execution in SAUCELAB with different environments with different versions of same browser

• Good exposure on SonarQube integration to check the code quality by configuring rules.

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| **Skills** |
| |  |  | | --- | --- | | **Operating Systems** | Mac OS X, Ubuntu, Linux, Unix, Windows, Android, iOS | | **Languages** | Java, J2EE, JavaScript, Python, PHP, SQL, Gherkin, HTML, XML | | **Database** | MYSQL, Oracle, MS-SQL Server, IBM DB2, TOAD, DB Visualizer | | **Network Protocol** | TCP/IP, HTTP, FTP | | **Testing Tools** | Selenium WebDriver, ServiceNow, Cucumber, TestNG, Junit, Jest, Extent Reports, Maven, Selenium Grid, Mockito, Appium, Xamarin JMeter, Sauce labs, Browser Stack, Git, GitHub, JDBC, Apache POI, Apache log4j, AWS, Jenkins, Dynatrace, Wire mock, Robot, Postman, Rest Assured, Cypress, Protractor, Web Driver I/O, Mocha, Chai, Redux, LoadRunner, TestFlight, Ready API, Circle CI | | **Tracking Tools** | ALM/Quality Center, JIRA | |

**Experience**

**Center Point Energy** | **SDET**

October 2021 – Present Houston, TX(Remote)

Project Description: CenterPoint Energy is an American Fortune company and has stores all over

US. The project is to validate the web services which are involved in creating new orders, promo, features, device validation, catalog services, platform APIs, and payment flows with contactless transactions. Validated SOAP and REST services manually and automated using DevTest automation tool.

**Responsibilities**:

* Responsible for building of test plan for API test execution for manual and automation

Testing

* Automated RESTful services using tools like Postman, REST Assured, and Ready API, leading to a 40% increase in testing efficiency.
* Performed Regression testing for new builds and every modification in the application using Selenium.
* Used Selenium WebDriver to run test cases in multiple browsers and Platforms.
* Managed test process, test plans, test case drafts, matrix reports, defect tracking system etc.
* Light experience in Backend Testing with Structured Query Language (MS SQL)
* Experience in Web-Service Automation testing using Postman.
* Performed functional testing to identify various critical points in the application and automated it by using Selenium WebDriver.
* Conducted manual and automated testing of Android applications to identify and fix bugs.
* Utilized testing frameworks such as Espresso and Appium to create and run test cases.
* Developed and maintained Python scripts for automation and data processing.
* Designed and implemented unit tests to ensure code quality and reliability.
* Collaborated with team members to define project requirements and deliver solutions on time.
* Used Git for version control and managed code repositories on GitHub.
* Implemented CI/CD pipelines using Jenkins to automate the deployment process.
* Developed and maintained end-to-end test automation suites using Cypress for web applications.
* Generated detailed test reports post automation runs using Cucumber Report and Extent Report, aiding in rapid issue identification and resolution.
* Collaborated closely with the development team to test Lot18 application, distributing it to more than 45 beta testers through TestFlight and collecting their feedback.
* Identified, documented, and reported more than 25 bugs, leading to a 75% improvement in app performance and usability.
* Designed and implemented a custom Cypress framework that improved test execution speed and reliability.
* Developed and maintained a library of 78 test cases specific to TestFlight builds, ensuring comprehensive coverage.
* Tested compatibility of application for dynamic and static content under various cross browsers using HTML ids and XPATH in Selenium.
* Experience with database management systems such as MySQL, Oracle, and SQL Server.
* Involved in design develop the test cases at Sprint level and test coverage for domain and

APIs.

* Involved in implementation of Test Automation Framework build using Selenium WebDriver, TestNG and Maven
* Created and enhanced numerous test scripts to handle changes in the objects, in the tested application's GUI and in the testing, environment using Selenium WebDriver.
* Interpreted and converted manual test cases into automation smoke and regression suites.
* Collaborated with developers, virtualizing services for test automation using Wire Mock and Mockito.
* Engaged in manual testing, including setup and configuration of diverse testing environments.
* Manipulated testing data in the database, utilizing SQL DML operations to achieve desired testing outcomes.
* Integrated TestFlight feedback into the bug tracking system, streamlining the QA process and ensuring timely fixes.
* Played a pivotal role in the launch of Franklin Templeton project, resulting in 150+ downloads within the first month.
* Managed source code and test cases using GitLab and GitHub, maintaining version consistency across the team.
* Coordinated with cross-functional teams, including developers, product managers, and UX/UI designers, to ensure cohesive product development.
* Integrated test suites into the CI/CD pipeline using AWS Code Commit, ensuring continuous testing and timely feedback.
* Designed and executed test strategies in a Linux environment, improving defect detection rates by 35%.
* Utilized Linux terminal operations for test scripting, log analysis, and system monitoring, ensuring comprehensive coverage and in-depth analysis.
* Collaborated with the DevOps team to integrate Linux-based test automation into CI/CD pipelines.
* Experience in using Firebug to debug and analyze HTML, CSS, and JavaScript code.
* Followed Agile-Scrum process which involves Ideation, Development, Testing, Deployment,
* Operations and Involved in Sprint Plans, Daily Scrum meeting, Grooming sessions, and

Retrospective

* Utilized cypress to invoke from one browser which is chrome to other browser such as Firefox.
* Tested compatibility of application for dynamic and static content under various cross browsers using HTML ids and PATH in Selenium
* Utilized shadow down to traverse the DOM (Document Object Model) from a higher-level parent element down to a specific shadow DOM element within it that allows encapsulation of DOM subtrees, providing a way to isolate the styles and functionality of a component from the rest of the page.
* Involved in creating TDM requests and coordination with external team to get the test data.

from the various users by using a common network.

* Involved in writing test scripts using Lisa DevTest automation tool and build the logic using

Java script

* Involved in maintaining the automation and manual test reports and provide the status to team

on daily basis

* Utilized callbacks as well as normal functions where callback are passed as arguments and executed asynchronously & normal are synchronous functions that are executed immediately and sequentially, without any asynchronous behavior.
* Spearheaded the test automation strategy for React-based applications, resulting in a 43% reduction in manual testing efforts.
* Developed and maintained a suite of 17 automated tests using Jest, Enzyme.
* Collaborated with developers to ensure timely detection and resolution of defects, enhancing the software quality by 35%.
* Integrated automated tests into the CI/CD pipeline using tools like Jenkins, ensuring consistent software delivery.
* Conducted performance testing on React applications, optimizing load times and ensuring seamless user experience under peak loads.
* Played a pivotal role in the Neo Reader project, leading the integration of Appium for automated testing, which resulted in a 65% reduction in post-release defects.
* Collaborated closely with developers in a DevOps environment, implementing Appium tests into the CI/CD pipeline for real-time feedback.
* Developed and maintained a robust Appium framework for the Talking Wikipedia, accommodating evolving features and ensuring sustainable test automation.
* Diagnosed and reported over 20+ defects for the CMS (Content Management System) using JIRA, facilitating prompt and effective resolutions.
* Tested compatibility of application for dynamic and static content under various cross browsers using HTML ids and XPATH in Selenium.
* Involved in preparing the element locators by framing relative Xpath.
* Involved in defect triage meetings and capture the application logs in Splunk to identify the

root cause.

* Re-provisioned and Rehydrated microservices like EC2 instances with latest AMI’s and appropriate security groups
* Utilized JIRA/Zephyr to track, report, and manage defects throughout the test cycle and attended Defect Status Meeting on daily basis during testing cycle.
* Proficient in Git version control system, including repository management and branching.
* Automated highly transactional web application using Selenium WebDriver.
* Proficient in creating and managing Maven projects, including defining dependencies and

configuring build profiles.

**Farmers Insurance** | **Automation QA Analyst**

April 2019 – September 2021 Los Gatos, CA

**Responsibilities**:

* Collaborated with development and testing teams to push automated test code into

Continuous Integration (CI) using Git, monitored test execution in Jenkins.

* Utilized cypress to identify elements and add values to drop down.
* Led the automation effort by designing, developing, and maintaining automated test scripts using Python and Selenium WebDriver for web application testing.
* Designed, developed, and maintained automated test scripts using Selenium, ensuring 95% test coverage.
* Participated in Agile ceremonies, adhering to SCRUM and XP methodologies to drive efficient sprint deliveries.
* Collaborated with development teams to ensure smooth CI/CD integration, leading to a 30% reduction in post-deployment bugs.
* Served as a liaison among development teams, application services, and the business, including functioning as a subject matter expert (SME)
* Led a team of 15+ testers in the QA process for over 25+ web projects, focusing on React applications.
* Introduced Cypress for end-to-end testing of React apps, improving test coverage by 42%.
* Coordinated with product managers and developers to refine user stories and acceptance criteria, ensuring comprehensive test coverage.
* Created Test strategy and design document for eggplant automation project.
* Performed Automation Testing of each Build and Regression testing on each build using C# and Selenium Web driver.
* Collaborated with development and operations teams to ensure findings from tools were properly addressed, leading to optimized end-user experiences.
* Gained hands-on experience with Linux terminal operations and managed containerized testing environments using Docker and Kubernetes.
* Utilized qTest for test management, maintaining an organized record of test cases, executions, and results.
* Employed Robot Framework and Python for scripting automated test cases, enhancing coverage by 40%.
* Leveraged custom XPath, CSS Selectors, and other web elements to identify dynamic

objects and create effective Selenium scripts for automated testing.

* Analyzed business and functional requirements, as well as design review documents, to

develop comprehensive test plans and test cases that accurately reflect the scope of the

Product.

* Prioritized and selected testing scenarios based on business requirements, effectively

targeting the most critical areas for testing.

* Designed and implemented a BDD Cucumber framework using the Page Object Model

pattern, improving testing efficiency and reducing testing time.

* Developed and maintained batch scripts for build automation, ensuring efficient and

effective testing.

* Conducted parallel and cross-browser testing with TestNG in Selenium, identifying and

resolving defects in a timely manner.

* Designed and implemented a robust Selenium WebDriver Automation Framework for

Smoke Test and Regression Test using TestNG, improving test efficiency and reducing testing time.

**Blackhawk Network** | **SDET** June 2017 – March 2019 San Francisco, CA

**Responsibilities**:

* Used Java as the main programming language with IntelliJ IDE, taking advantage of Java’s the OOP (Object Oriented Programming) concepts, and using Maven as a Build automation tool.
* Used UI Macros to create pages as templates on the requirement.
* Worked on CMDB and SLM from scratch.
* Wrote Python/Perl scripts to parse XML/JSON documents and load the data in database.
* Worked on Update sets, UI scripts, Notifications as part of customizing the SNOW.
* Used XPath to work with dynamic and static objects in Selenium.
* Configured SLA workflow for the advanced SLA configuration.
* Developed ESS functionality and implemented appropriate workflow.
* Identified test cases to automate. Automated those test cases using Selenium WebDriver, JUnit and Java technologies (Eclipse IDE) and in framework creation.
* Coordinated Service Catalog options, including two-step checkout, cart controls, variables.
* Performed Manual Testing and different types of Automation Testing including different types of Black-Box testing, Smoke Testing, Regression Testing, Cross-Browser testing, Ad-hoc Testing, End to End testing, Boundary Value Testing, Equivalence testing, Database testing, and Positive / Negative testing.
* Designed and implemented an automation framework to cover test scenarios based on Java, Selenium WebDriver, Cucumber and JUnit resulting in more comprehensive testing.
* Developed Test Framework in Selenium for UI Regression Test Automation and executed Unit Test automation Java/Junit).
* Developed an automated test strategy for a distributed application utilizing Cassandra clusters, ensuring data consistency and replication.
* Designed and executed load tests for a MongoDB-backed application, identifying potential bottlenecks in the system.
* Leveraged tools like JMeter and Apache Cassandra Stress Tool to simulate heavy loads and benchmark database performance.
* Collaborated with the database administration team to ensure best practices were applied for schema design in both Cassandra and MongoDB.
* Extensively worked in Regression testing using Selenium Web driver in TestNG
* Developed Test Frameworks in Selenium for UI Regression Test Automation and when necessary, and potentially execute Unit Test Automation Java /TestNG).
* Extensively worked on creating and maintaining different frameworks, including DDT (Data Driven Testing) framework, BDD (Behavior Driven Development) framework writing in Gherkin Language with cucumber, creating Scenarios, Scenarios Outlines, Feature Files, Step Definitions and generating Cucumber reports.
* Assisted in the migration of test repositories from GitHub to AWS Code Commit, ensuring a seamless transition with zero data loss.
* Installed configured performance tools like LoadRunner Meter.
* Configured Selenium WebDriver, TestNG, and Maven tool and created Selenium automation scripts in Java, using Junit prior to agile release.
* Experienced with POM (Page Object Model) and Singleton Design pattern.
* Solid knowledge of working with SQL queries in DML (Data Manipulation Language) and performing Database Testing using JDBC libraries within different RDBMS (Oracle)
* Performed data-driven testing using Apache POI library to read data from external sources like Excel Spreadsheet
* Collaborated with development teams to streamline CI/CD processes and enhance application deployment strategies.
* Conducted regular code reviews and maintained documentation in Confluence to ensure consistency and clarity.
* Demonstrated good management skills while using Jira X-Ray as a Project
* Worked with Git/GitHub as a version control tool.
* Collaborated in CI/CD environment by executing the test in Jenkins.

**JPMC** | **Software Development Engineer in Test**

May 2016 – May 2017 San Jose, CA

**Responsibilities**:

* Implemented BDD automation framework using Cucumber.
* Utilized advanced testing tools and frameworks to automate repetitive tasks, enhancing efficiency by 60%.
* Identified and resolved over 100 integration bugs, resulting in smoother system transitions and improved user experience.
* Coordinated and oversaw the implementation of change control procedures and CSV.
* Extended Unitest/Pytest/ Robot framework by adding some helper classes and methods.
* Identified test cases to automate. Automate those test cases using Selenium WebDriver and Python (PyCharm IDE and Ride IDE).
* On-site/Offshore co-ordination. Talk to onsite team (daily) and provide the necessary information and action items to be taken care of.
* Utilized AWS Code Commit for version control, efficiently handling merges, and pull requests to maintain code quality.
* Tested compatibility of application for dynamic and static content under various cross browsers using HTML ids and PATH in Selenium.
* Conducted manual functional testing on investment banking applications, ensuring software quality.
* Worked closely with the asset management division, gaining insight into Equities, Options, Fixed Income, and Futures trading.
* Pioneered the adoption of Appium within the QA team, leading to a 45% reduction in cross-platform testing time.
* Assisted in setting up Linux test environments, configuring systems, and tools as required.
* Collaborated with system admins and developers to optimize Linux system configurations for testing purposes.
* Collaborated with the development team to automate over 75+ test cases, ensuring efficient and consistent testing of Wolters Kluwers application.
* Integrated Appium tests into the CI/CD pipeline, enabling real-time feedback and accelerated release cycles.
* Diagnosed, reported, and tracked software defects using JIRA, collaborating with developers to expedite fixes.
* Configured Continuous Integration environment, using Jenkins to kickoff daily builds and automation suites Jenkins, Maven and GitHub. Python.
* Created and enhanced numerous test scripts to handle changes in the objects, in the tested application's GUI and in the testing, environment using Selenium WebDriver.
* Involved in all Project related Meetings and contributing towards the improvements.
* Totally responsible for nightly execution for all the developed tests on multiple code lines. Send the details.
* Integrated the framework with Circle CI, ensuring continuous testing for every code push, merge request, and deployment.
* Spearheaded the shift from Jenkins to Circle CI, streamlining the CI/CD process and ensuring faster build-test-deploy cycles.
* Developed custom Circle CI Orbs to further optimize the CI/CD pipeline and reuse configurations across multiple projects.
* Pioneered the adoption of Circle CI for continuous integration, setting up automated build, test, and deployment workflows.
* Implemented parallelism in Circle CI, reducing build and test times by over 50%.
* Developed test strategies for cloud microservices, ensuring seamless integration and optimal performance.
* Established comprehensive test suites for applications interfacing with Cassandra, ensuring high availability and fault tolerance.
* Automated CRUD operations tests for applications using MongoDB as a primary data store.
* Assisted in data modeling and migration projects transitioning from relational databases to NoSQL systems like Cassandra and MongoDB.
* Managed database testing for both SQL and NoSQL systems, ensuring data integrity and efficiency.
* Conducted performance, REST, and API testing to assess and improve system responsiveness and efficiency.
* Worked closely with internal teams and resolved the issues.
* Followed up with customers on the issues that the offshore team raises.
* Developed and designed automation framework using Python and Shell scripting

**eBay** | **Automation Selenium Tester**

May 2015 – April 2016 San Francisco, CA

**Responsibilities**:

* Created numerous test scripts to handle changes in the objects, in the tested application's GUI, and in the testing, environment using Selenium.
* Performed QA testing and UAT testing.
* Designed and implemented automation frameworks using Python and Selenium WebDriver, resulting in a 35% reduction in test execution time.
* Utilized JIRA/Zephyr to track, report, and manage defects throughout the test cycle and attended defect Status Meeting on daily basis during testing cycle.
* Developed/Responsible 14, UI automation framework from scratch using JavaScript/WebDriver IO, Chai, Cucumber.
* Managed source code and test cases using AWS Code Commit, enhancing collaboration and version control across globally distributed teams.
* Spearheaded the automation strategy for the CAS CWE App project using Xamarin.UITest, resulting in a 60% increase in test coverage and a 40% reduction in post-release defects.
* Designed, developed, and maintained over 200+ automated test scripts with Xamarin, UITest, ensuring comprehensive testing for each software release.
* Collaborated with a cross-functional team to integrate Xamarin-based tests into the CI/CD pipeline, enabling real-time feedback and streamlined releases.
* Managed and resolved over 100 defects for the Next Wave Sophia Project using JIRA, liaising closely with developers to expedite solutions.
* Performed data manipulation using SQL and Oracle, crafting realistic testing scenarios for the banking applications.
* Engaged in manual testing, including setup and configuration of diverse testing environments.
* Manipulated testing data in the database, utilizing SQL DML operations to achieve desired testing outcomes.
* Integrated and consumed RESTful web services, improving application interoperability and functionality.
* Employed Junit/TestNG for unit testing, enhancing code reliability and reducing post-deployment issues.
* Collaborated with senior testers in API and performance testing, ensuring software met specified benchmarks.
* Automated RESTful API testing using Python libraries such as requests and pytest, ensuring API reliability and functionality.
* Actively collaborated with the development team to integrate test scripts into the CI/CD pipeline, ensuring consistent software quality.
* Developed, maintained, and published documentation regarding use of Service Now enhancements.
* Configured User Accounts, Groups & Roles
* Used the UI to administer Tables, Fields and Relationships
* Participated in SDLC and STLC process and using tools like Selenium RC/Web driver, JMeter, and

SOAP UI.

* Experience testing and developing automated tests for SOAP services using Rest Assured and Karate.
* Create automated tests using Selenium WebDriver for Continuous regression testing (Jenkins)

and reduce manual testing using Selenium, TestNG, and Maven.

* Used JavaScript and an internal custom framework to automate the Backend Rest Service layer.
* Configured different environments in Jenkins to execute test cases against hard launch or soft launch.
* Authored, edited, and maintained technical documentation for various software projects using Confluence.
* Collaborated with developers, QA testers, and product managers to ensure accurate and up-to-date documentation.
* Integrated Confluence with Jira to enhance tracking and documentation of software development lifecycles.
* Used Android SDK in Android Studio for establishing emulators in Android devices and Xcode or establishing simulators in lOS devices using Swift.
* Used Postman & SOAPUI for rest service testing.
* Interfaced with development teams to reproduce, diagnose, and troubleshoot Linux-specific defects.
* Employed Linux utilities like grep, awk, and sed for log parsing, data extraction, and test validation.
* Participated in cross-functional meetings to provide insights on Linux-specific behaviors, optimizing the overall development lifecycle.
* Performed and validated Database Testing and Data Retrieval.
* Collaborated with the enterprise team to build and run code on a real device from Jenkins.
* Used JIRA as a project tracking tool/Defect tracking/Test case Management tool.
* Ran regression tests in the morning/night based on deployment timings gather reports.

and reach out to tech leads in case of any queries or failure in tests.

* Provided pre-and post-production deployment support end to end.
* Worked in an Agile Environment with 4 weeks of a Release cycle.
* Performed cross-browser testing and device compatibility testing of the apps.
* Performed Smoke Testing, System Testing, Joint Integration Testing and Regression Testing.
* Used Quality Center to prepare test cases, procedures, and Requirements Traceability Matrix.

**Education**

**B.S. in Computer Engineering** |University at Mumbai, India 05/2014

**MS in Computer Science** | California State University Long Beach 05/2016

**Certifications**

**AWS Solutions Architect Associate**  07/2022

**AWS Certified Cloud Practitioner** 02/2022